

CLAIMS

What is claimed is:

- 1 1. A computer readable medium integrated into a removable
2 cartridge for an image forming device, the medium being programmed with a
3 plurality of image enhancement data sets and data set selection criteria for
4 selecting from among the image enhancement data sets.
- 1 2. The medium of Claim 1, wherein the image enhancement data
2 includes a condition associated with data identifying an image enhancement
3 technique and a parameter for implementing the image enhancement
4 technique.
- 1 3. The medium of Claim 1, wherein the image enhancement data
2 includes a condition associated with a parameter for implementing an image
3 enhancement technique.
- 1 4. The medium of Claim 3, wherein the removable cartridge includes
2 a printing component, and the medium is formatted to store a state variable
3 reflecting a state of the printing component and wherein the data set selection
4 criteria represents electronic data that can be processed with the state variable
5 to select from among the image enhancement data sets.
- 1 5. A computer readable medium integrated into a removable
2 cartridge that includes a printing component for an image forming device, the
3 medium being formatted to store a state variable reflecting a state of the printing
4 component and programmed with a plurality of image enhancement data sets
5 and data set selection criteria that can be processed with the state variable to
6 select from among the image enhancement data sets.

1 6. A removable cartridge for an image forming device, comprising:
2 a printing component that can be utilized by the image forming device to
3 assist in producing a printed image; and
4 a memory programmed with a plurality of image enhancement data sets
5 and data set selection criteria for selecting from among the image enhancement
6 data sets.

1 7. The removable cartridge of Claim 6, further comprising a reservoir
2 for holding imaging material, and wherein the printing component can be utilized
3 by the image forming device to assist in producing a printed image using
4 imaging material from the reservoir.

1 8. The removable cartridge of Claim 7, wherein the memory is
2 formatted to store a state variable reflecting a state of the printing component,
3 and wherein the data set selection criteria represents electronic data that can be
4 processed with the state variable to select from among the image enhancement
5 data sets.

1 9. The removable cartridge of Claim 7, wherein the data set selection
2 criteria comprises a look-up table containing a plurality of entries, each entry
3 having data representing a state condition and data identifying an image
4 enhancement data set.

1 10. A removable cartridge for an image forming device, comprising:
2 a printing component that can be utilized by the image forming device to
3 assist in producing a printed image; and
4 a memory formatted to store a state variable reflecting a state of the
5 printing component and programmed with a plurality of image enhancement
6 data sets and data set selection criteria that can be processed with the state
7 variable to select from among the image enhancement data sets.

- 1 11. An image enhancement method, comprising:
2 selecting an image enhancement data set from a plurality of image
3 enhancement data sets contained in a memory integrates into a removable
4 cartridge for an image forming device; and
5 implementing an image enhancement technique according to the
6 selected image enhancement data set.
- 1 12. The method of Claim 11, wherein the selected image
2 enhancement data set includes data identifying the image enhancement
3 technique and implementing comprises implementing the image enhancement
4 technique identified by the image enhancement data set.
- 1 13. The method of Claim 11, wherein the selected image
2 enhancement data set includes a parameter and implementing comprises
3 implementing the image enhancement technique according to the parameter.
- 1 14. The method of Claim 11, further comprising obtaining a state
2 variable reflecting a state of a printing component and wherein selecting
3 comprises selecting an image enhancement data set according to the state
4 variable.
- 1 15. The method of Claim 11, wherein selecting comprises processing
2 data set selection criteria to select the image enhancement data set from among
3 the plurality of image enhancement data sets.
- 1 16. The method of Claim 15, further comprising obtaining a state
2 variable reflecting a state of a printing component and wherein selecting
3 comprises processing data set selection criteria with the state variable to select
4 the image enhancement data set from among the plurality of image
5 enhancement data sets.

1 17. A computer readable medium having instructions for:
2 selecting an image enhancement data set from a plurality of image
3 enhancement data sets contained in a memory integrated into a removable
4 cartridge for an image forming device; and
5 implementing an image enhancement technique identified by the
6 selected image enhancement data set.

1 18. The medium of Claim 17, wherein the selected image
2 enhancement data set includes a parameter and the instructions for
3 implementing include instructions for implementing the image enhancement
4 technique according to the parameter.

1 19. The medium of Claim 17, having further instructions for obtaining a
2 state variable reflecting a state of a printing component and wherein the
3 instructions for selecting include instructions for selecting a image enhancement
4 data set according to the state variable.

1 20. The medium of Claim 17, wherein the instructions for selecting
2 include instructions for processing data set selection criteria to select the image
3 enhancement data set from among the plurality of image enhancement data
4 sets.

1 21. The medium of Claim 20, having further instructions for obtaining a
2 state variable reflecting a state of a printing component and wherein the
3 instructions for selecting include instructions for processing data set selection
4 criteria with the state variable to select the image enhancement data set from
5 among the plurality of image enhancement data sets..

- 1 22. An image enhancement system for an image forming device,
- 2 comprising default image enhancement data, and execution logic capable of
- 3 determining if cartridge image enhancement data is present and implementing
- 4 the cartridge image enhancement data, otherwise implementing the default
- 5 image enhancement data.